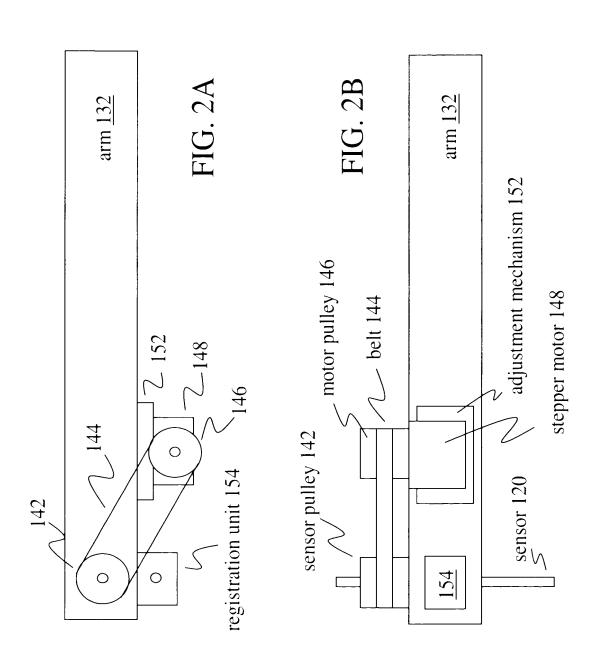


FIG. 1



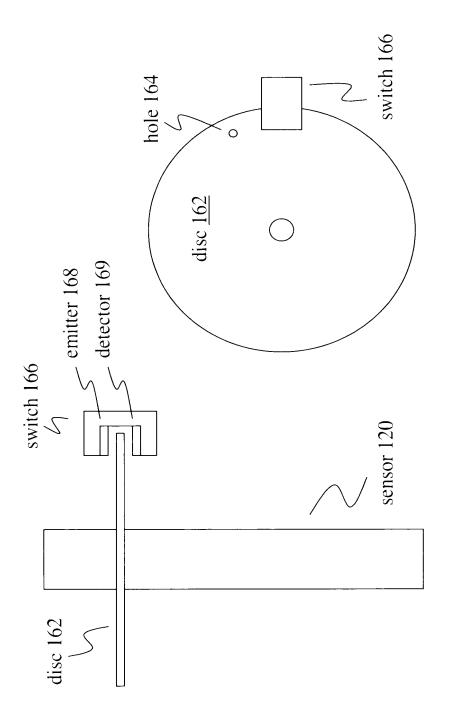


FIG. 3A

FIG. 3B



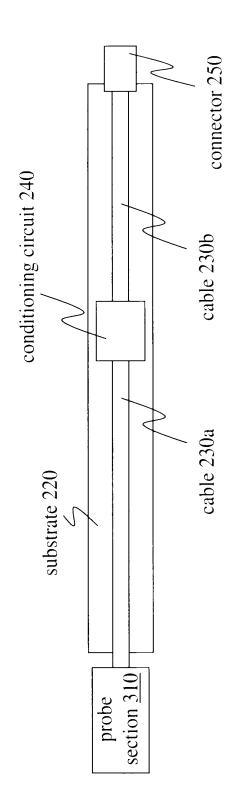


FIG. 4

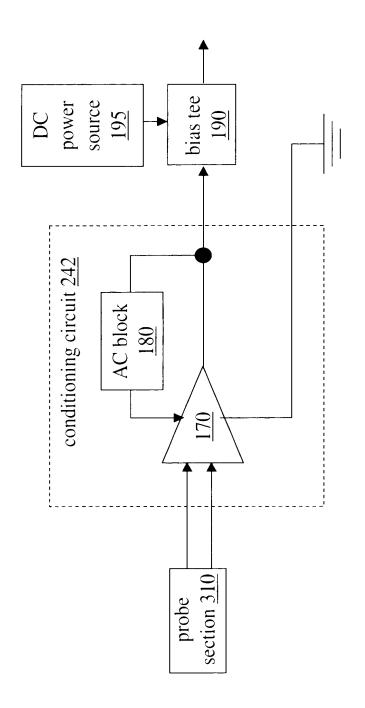


FIG. 5

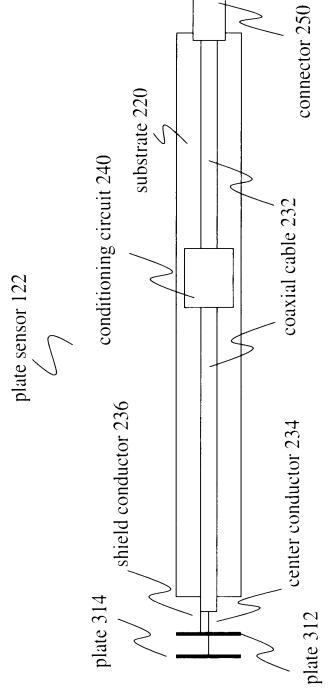
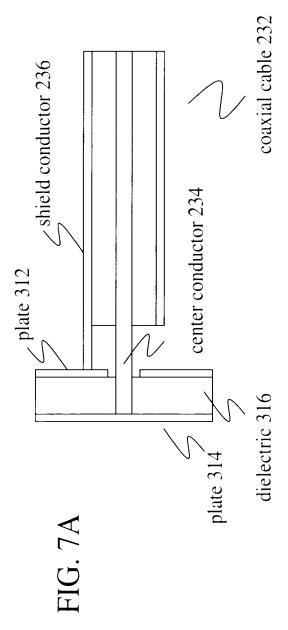
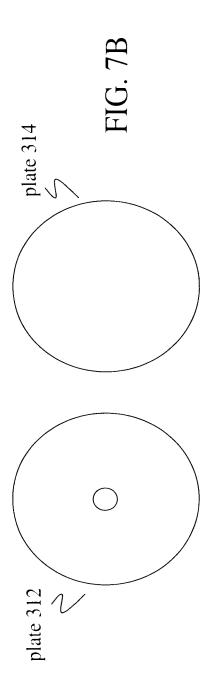
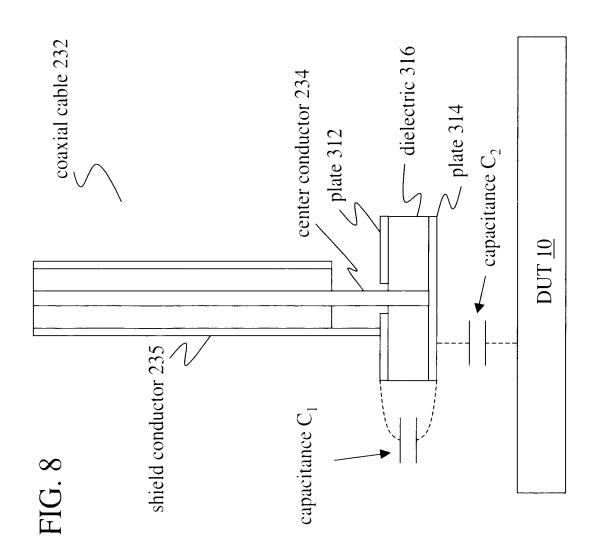
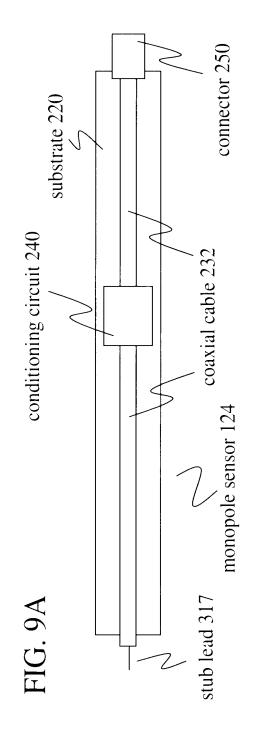


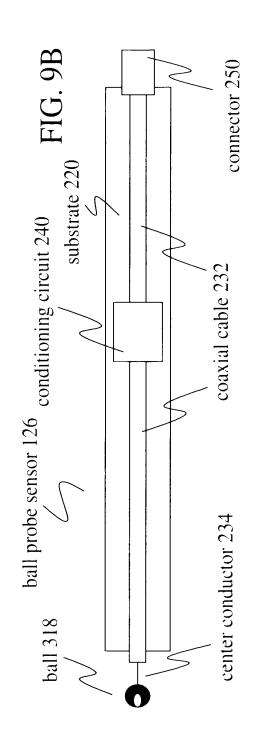
FIG. 6

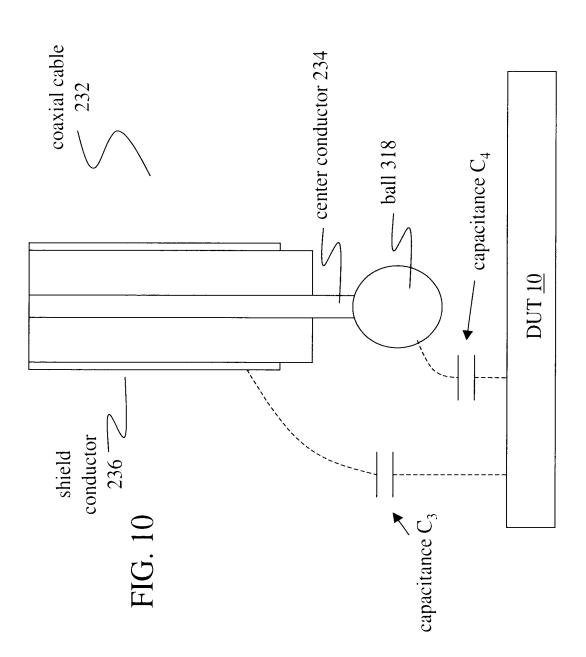












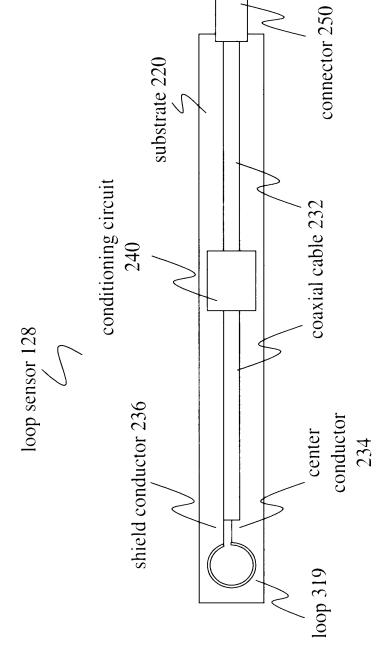


FIG. 11

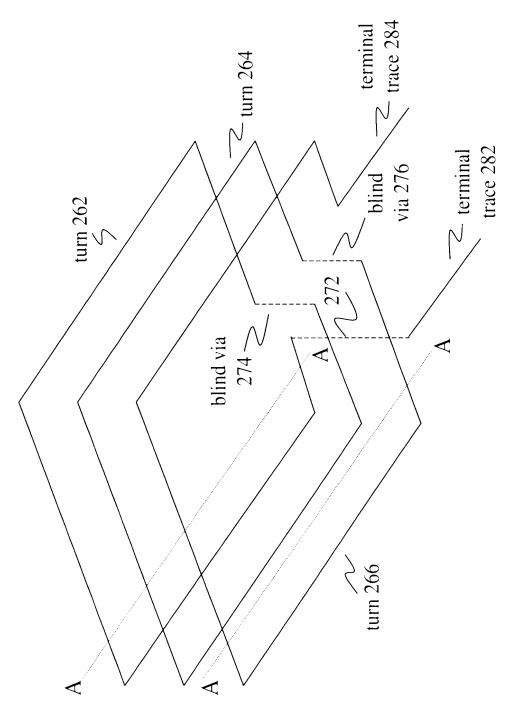


FIG. 12

substrate <u>220</u> turn <u>262</u> turn <u>264</u> turn <u>266</u> interlayer insulator 290

FIG. 13



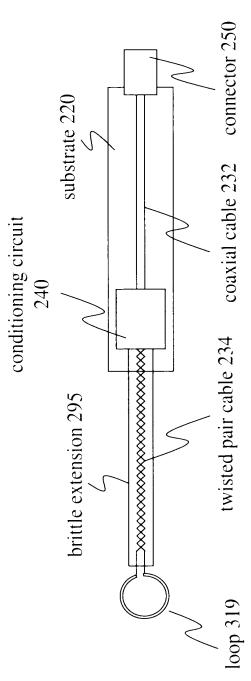


FIG. 14

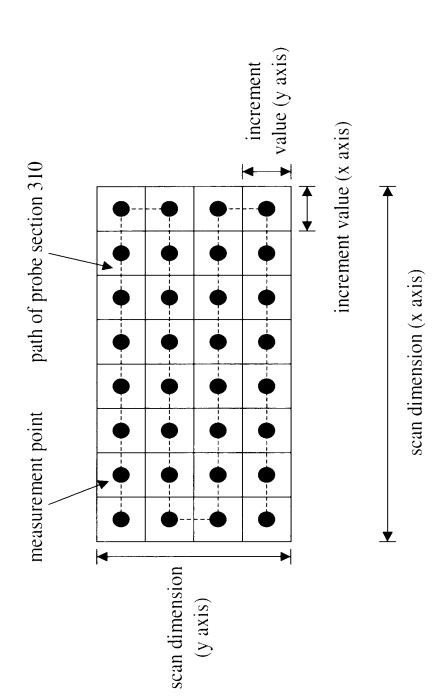


FIG. 15



FIG. 16

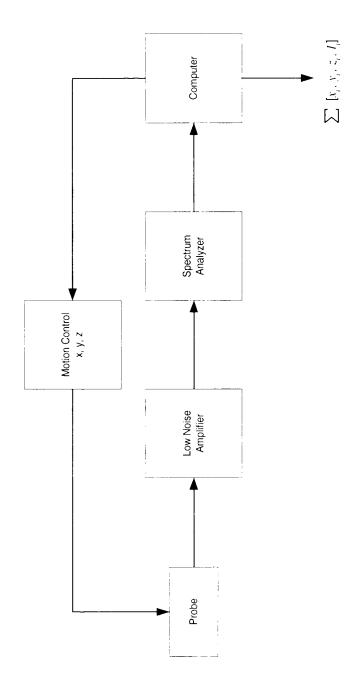


FIG. 17

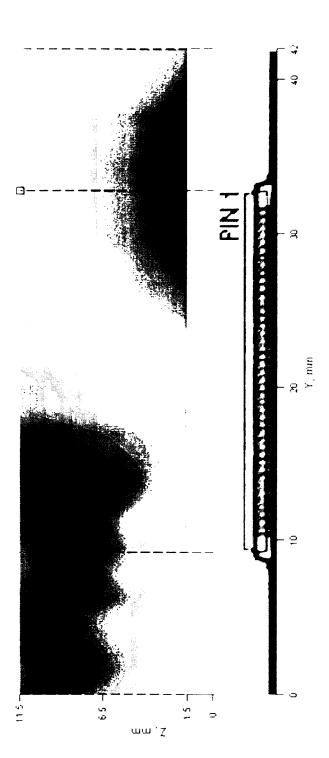


FIG. 18

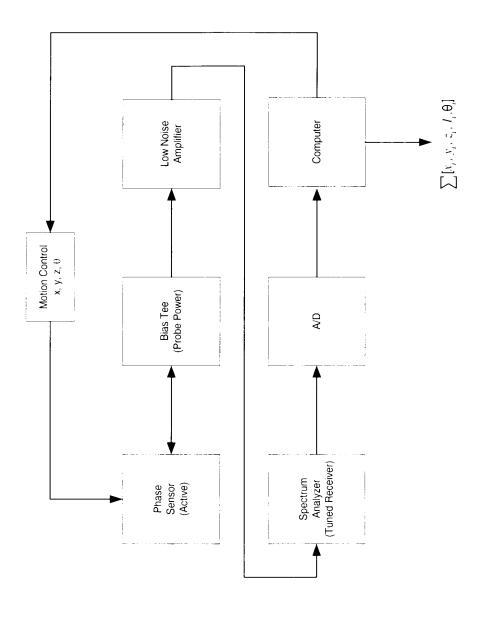
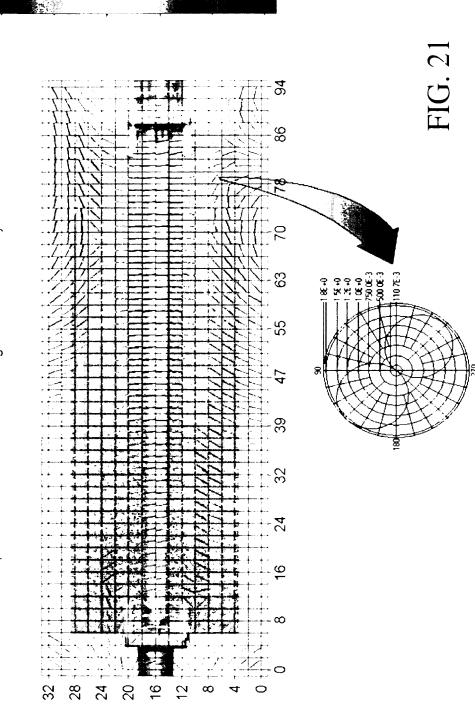


FIG. 19

FIG. 20

11/16/99 - Micro stripline is terminated in 50 ohms. Frequency: 1000 MHz Probe Type: Magnetic Field. Measurement Increments: dx: 1.94 mm, dy: 1.97 mm, dz: 0 mm Number of Planes: 1, at 14.52 mm above DUT. Magnetic Field Intensity Unit: dB uA/m.



. 86

82

28

74

94

dB uA/m

န

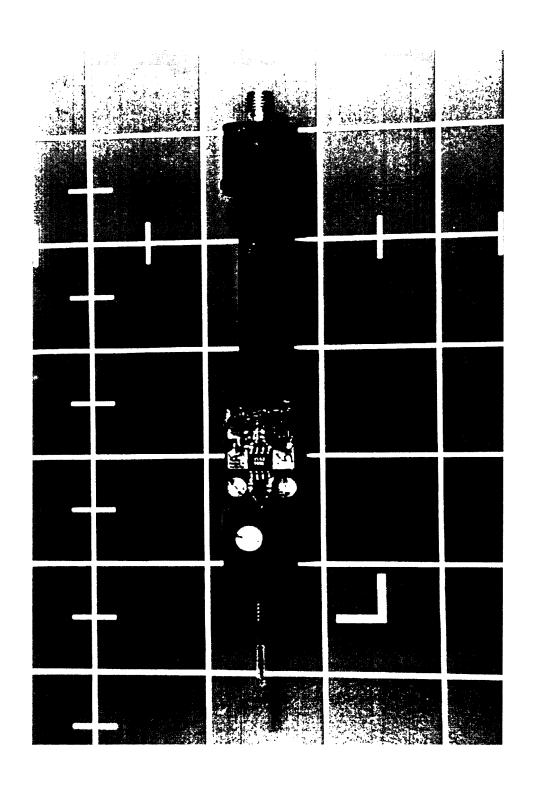


FIG. 22

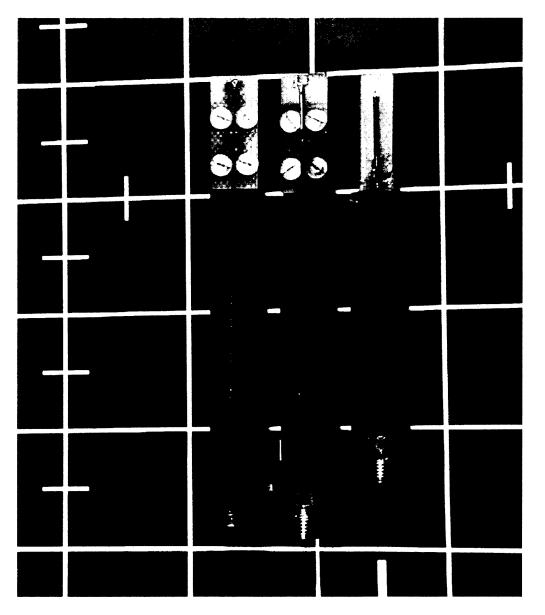
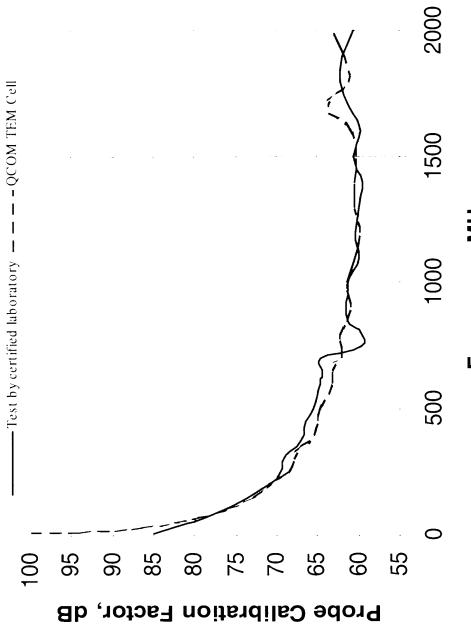


FIG. 23

1997

FIG. 24



Frequency, MHz

FIG. 25

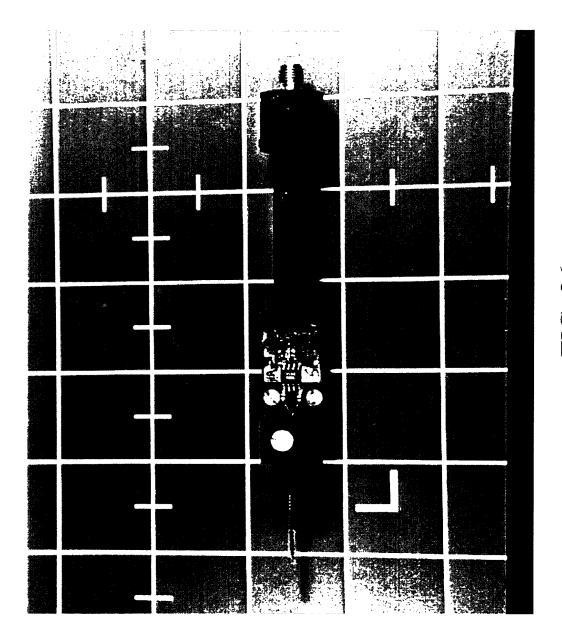
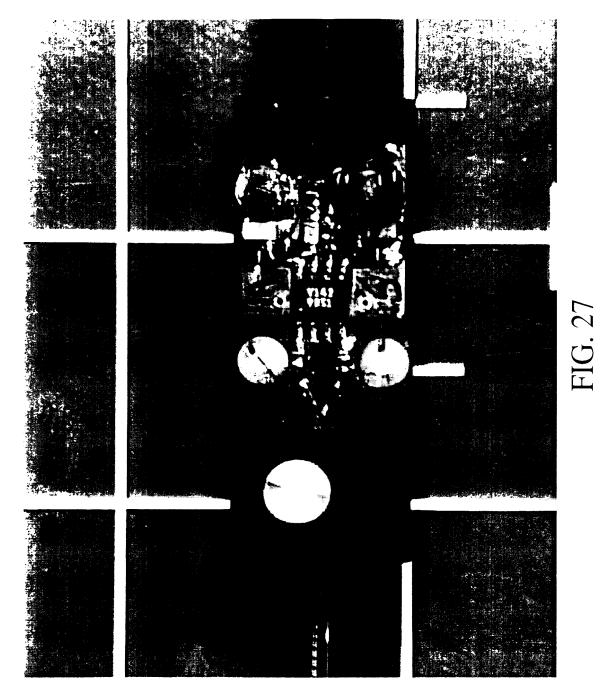


FIG. 26



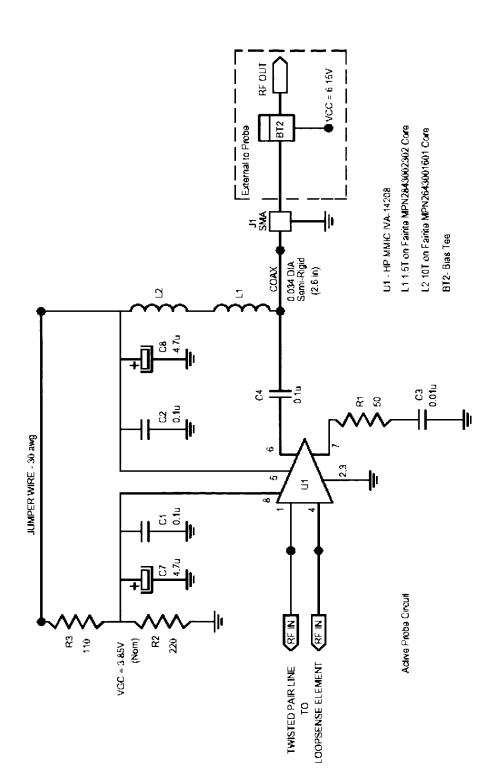


FIG. 28

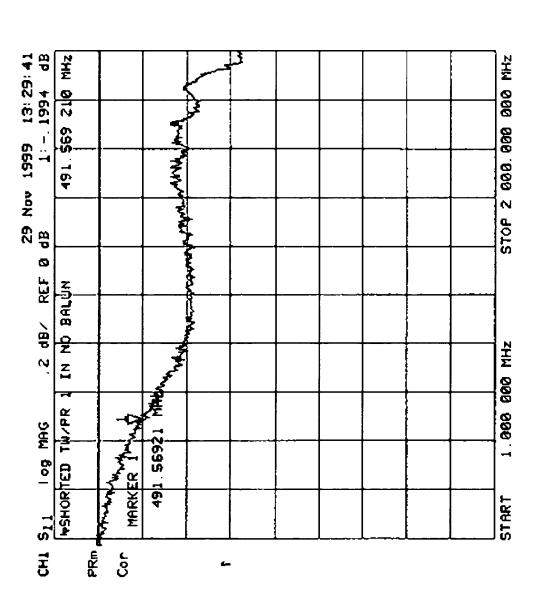
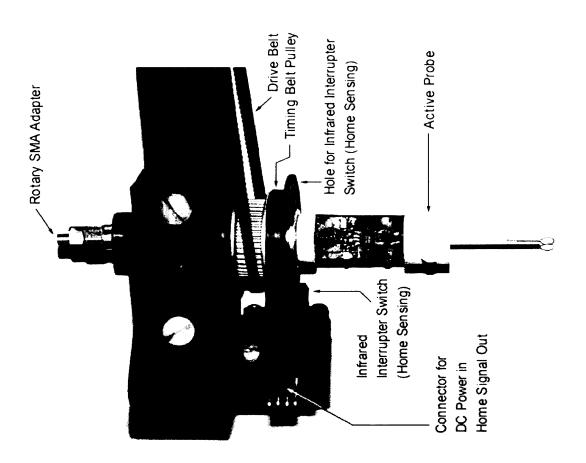
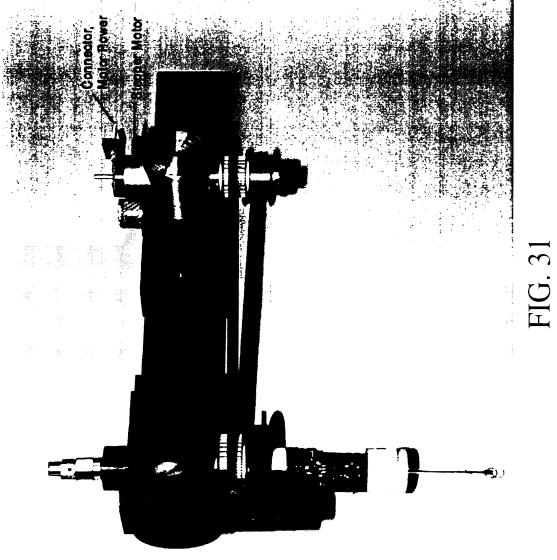


FIG. 29





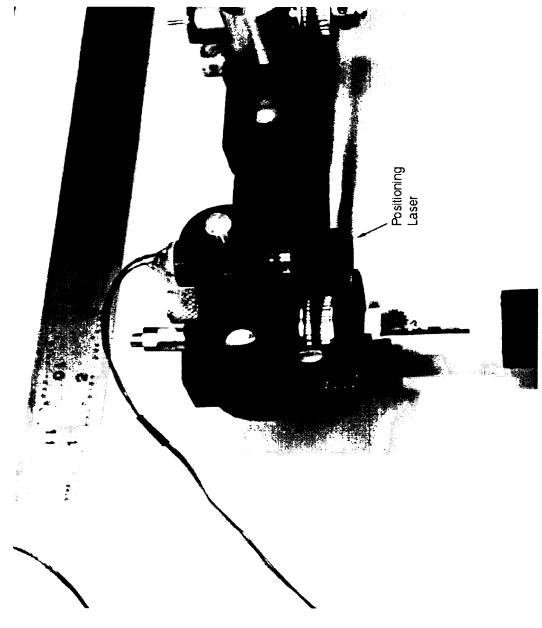
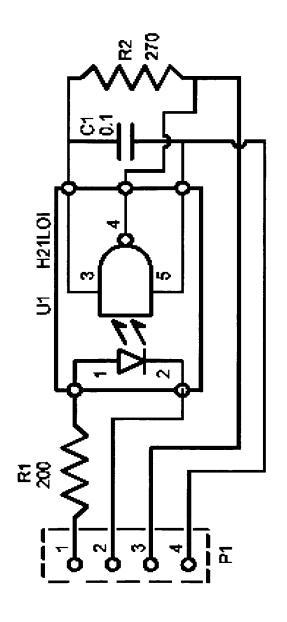


FIG. 32



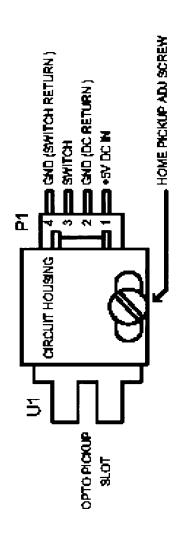


FIG. 33

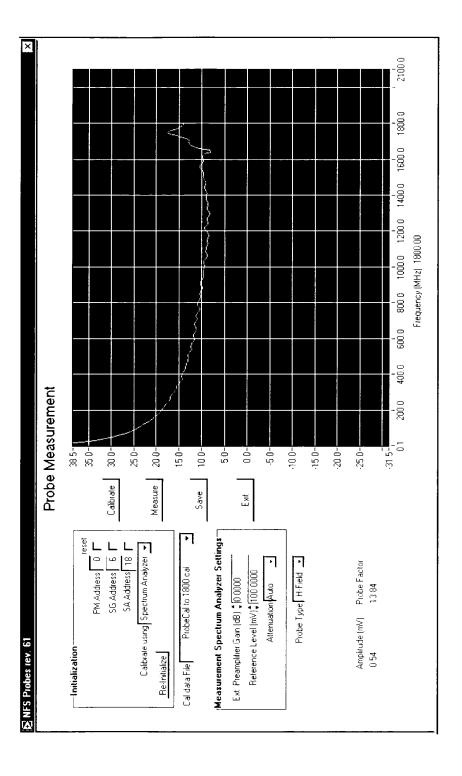


FIG. 34

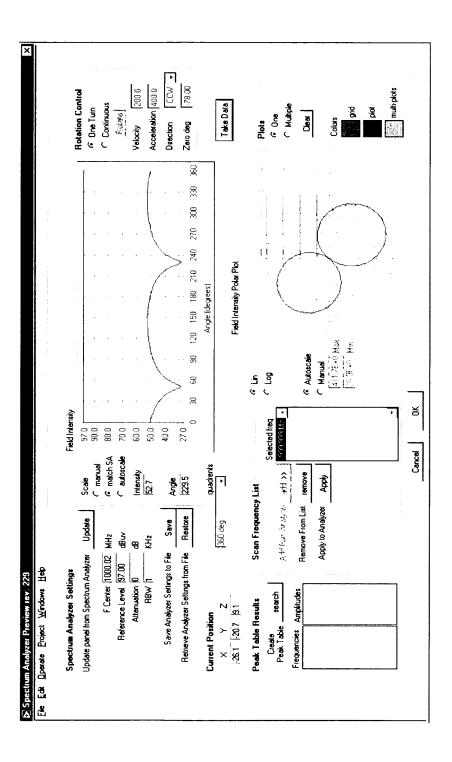


FIG. 35

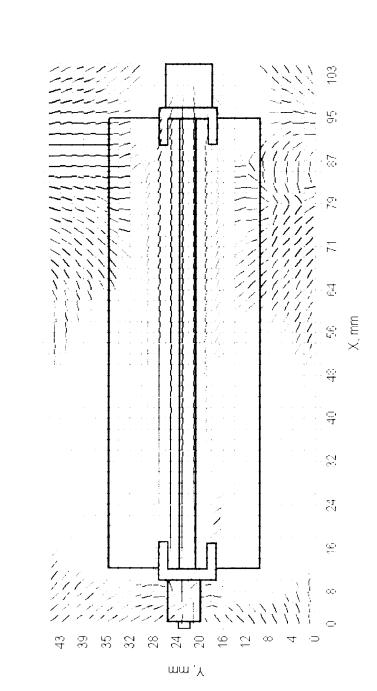
Current distribution on a a micro stripline. The Micro Stripline is terminated in 50 ohms. Frequency 1000 MHz
Probe Type: Magnetic Field - Measurement Increments: dx. 1.97 mm, dy 1.94 mm, dz. 0 mm. Number of Planes 1, at 14.37 mm above DUT. Magnetic Field Intensity Unit. dB uA/m.

2

dB uA/m

2

-65



199

22

8

FIG. 36

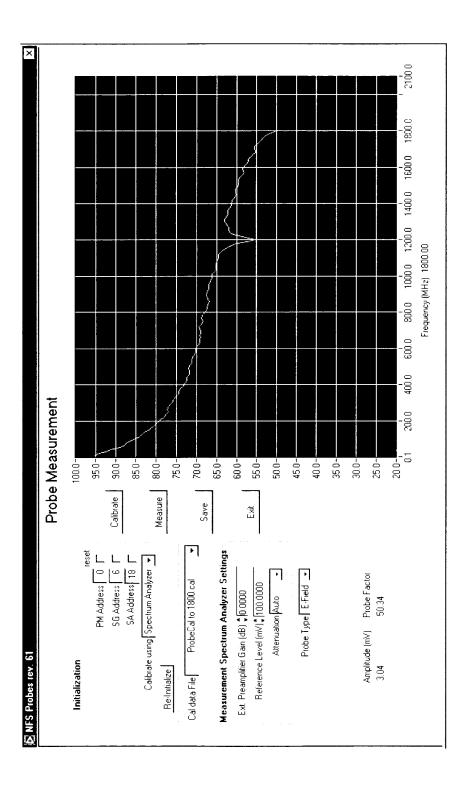


FIG. 37

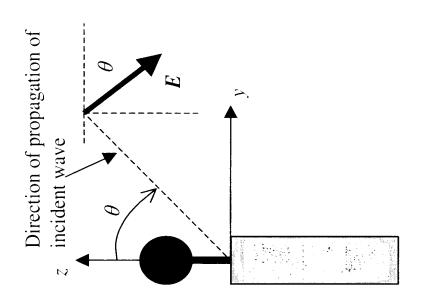
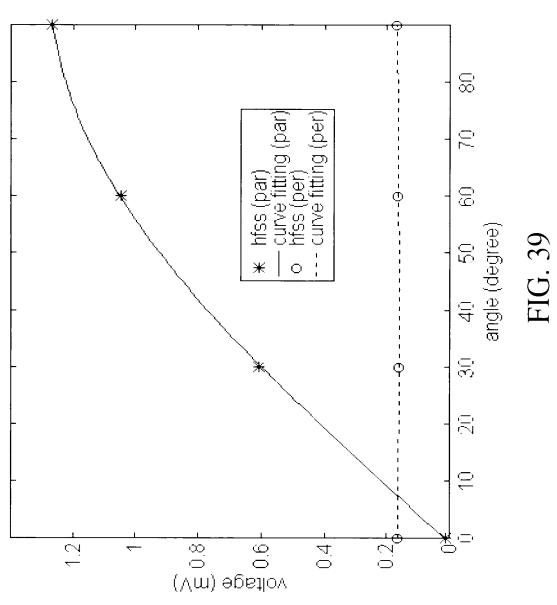


FIG. 38



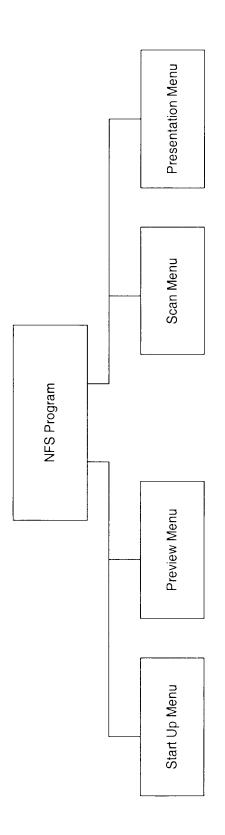


FIG. 40

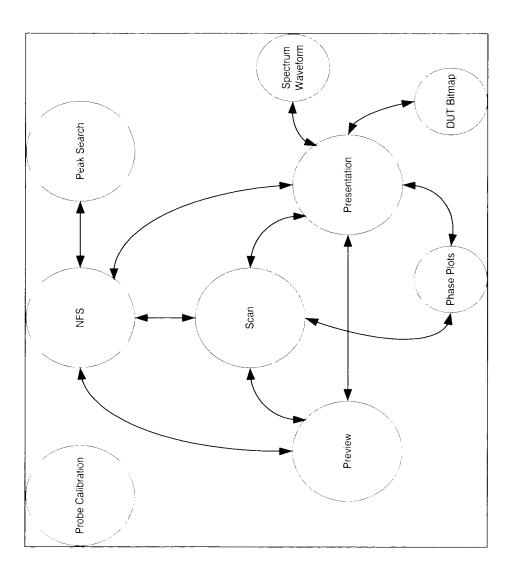


FIG. 41

Report Generation

FIG. 42

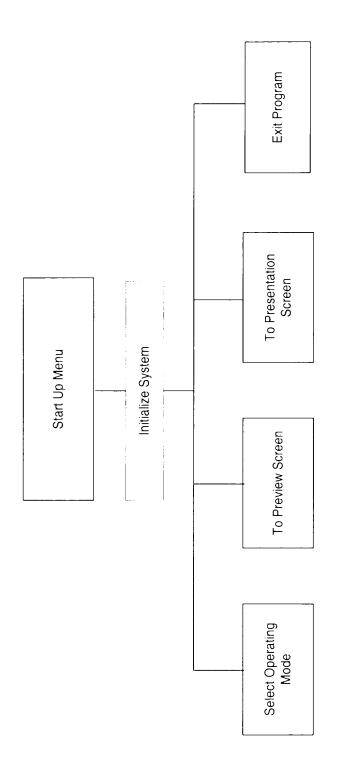


FIG. 43

<u>M</u>	Vear Field	Near Field Scanner rev. 154	. 154		× 🗆 =	×
E	Operate	File Operate Configuration Windows	<u>W</u> indows			
	Preview	Scan	Presentation	Peak Monitoring	Exit	
		Quí	Qualcomm Inc.	n Inc.		
		Near	Field S	Near Field Scanner		
						<u>-</u>

FIG. 44

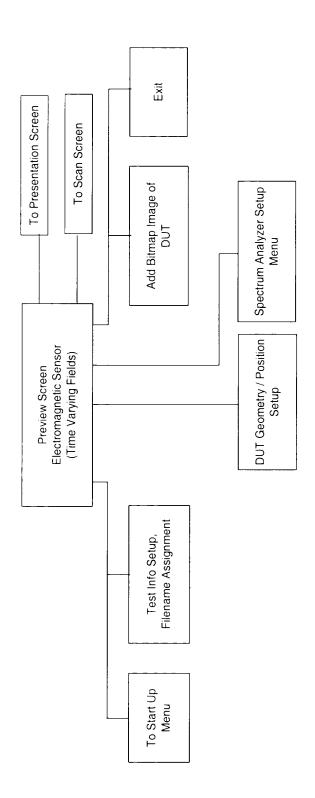
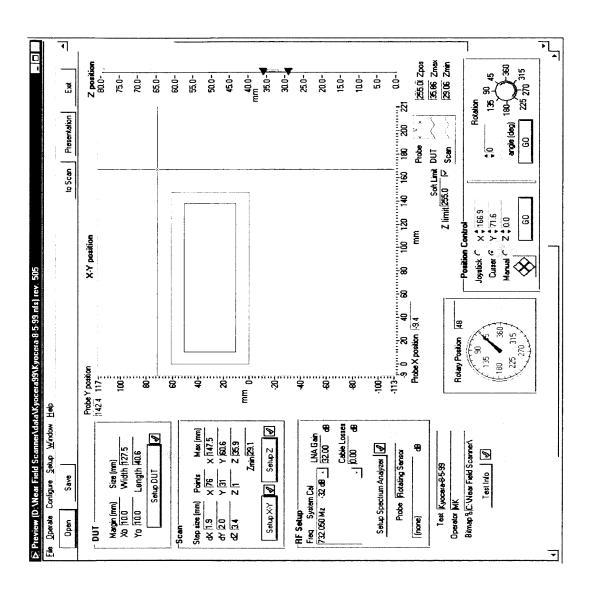


FIG. 45



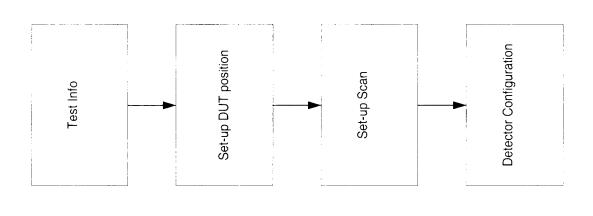


FIG. 47

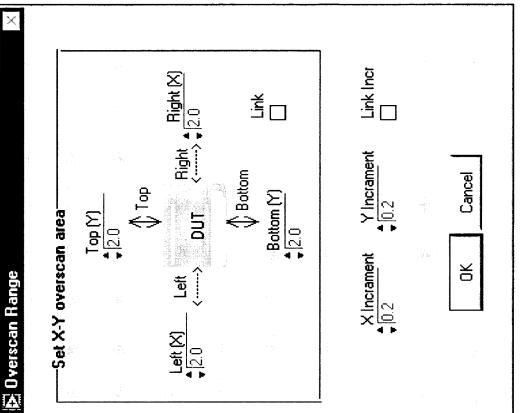
There is No Open Project - Please Select	Please Select
Create a New Project	Open an Existing Project
Cancel	Work Off Line

FIG. 48

🗗 Edit Probe Transfer Factor rev. 15	× □ -
Probe Name Ball-2	Units dB uV/m
Probe correction equation ☐E= 101,334845-(0.19856	Probe correction equation $ \text{CP} = 101.334845 - (0.19856185^{+}\text{f}) + (0.00048578^{+}\text{f}^{-}\text{2}) - (5.7022\text{B}^{-}\text{7})^{+}\text{(f}^{-}\text{3}) + (3.0722\text{B}^{-}\text{10}) $
Cancel	OK.

FIG. 49

### FIG. 50



## 🔁 Z Axes Parameters

#### ×

# Enter Desired Z Axes Parameters

Maximum Height above DUT (mm) \$\rightarrow\$ 20.00

Minimum Height above DUT (mm) \$ 6.32

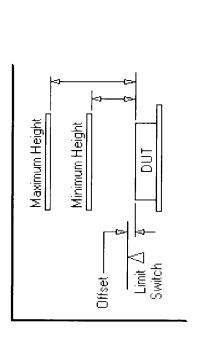
Number of Planes ‡|3

Use Limit Switch Offset between Limit ► 12 00 Switch Position & DUT (mm) ▼ 12 00

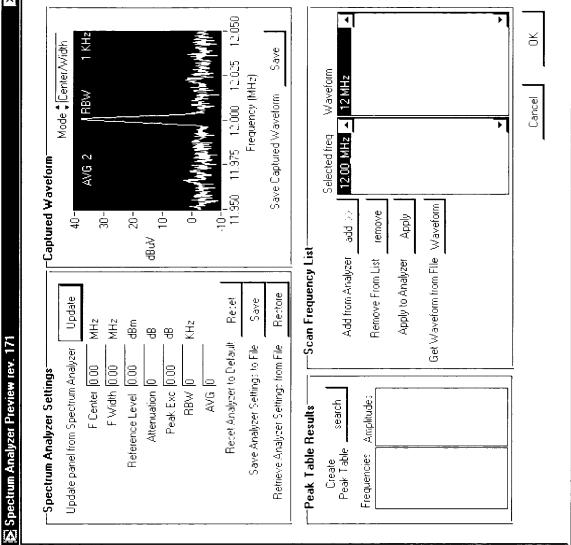
mm per Plane 6.84

FIG. 51

ŏ Cancel



### FIG. 52



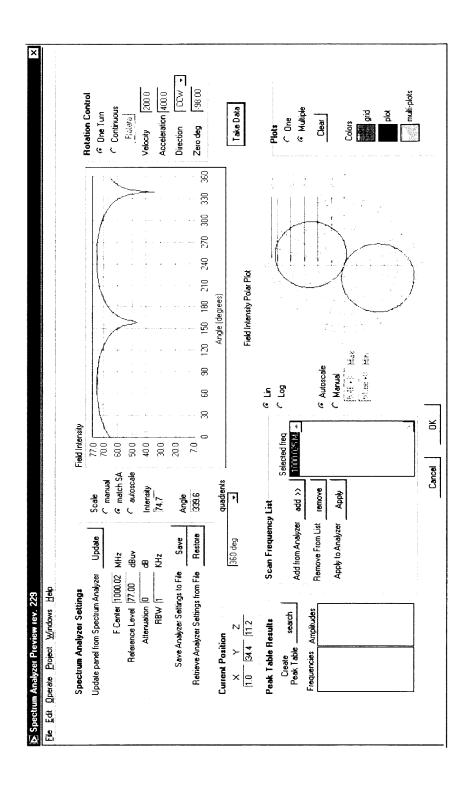
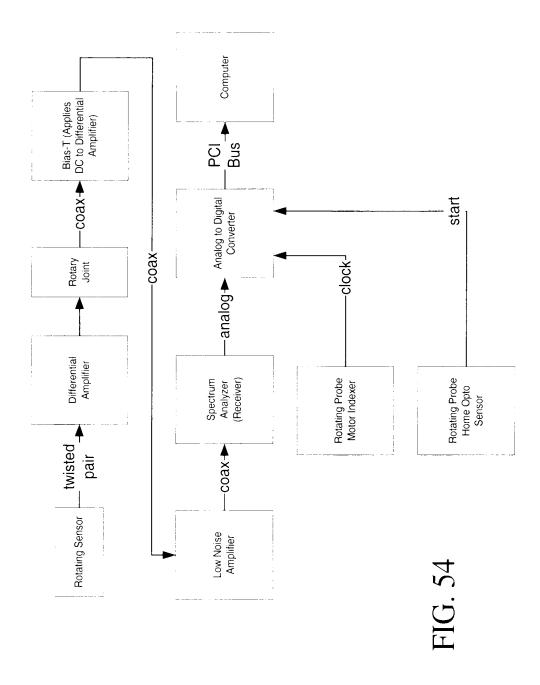


FIG. 53



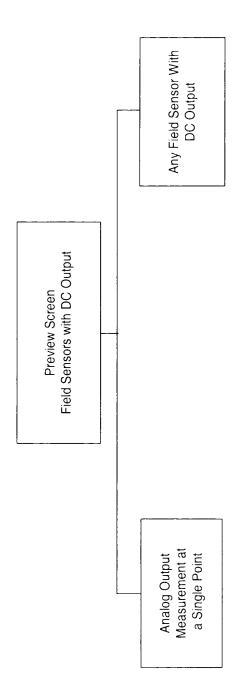


FIG. 55

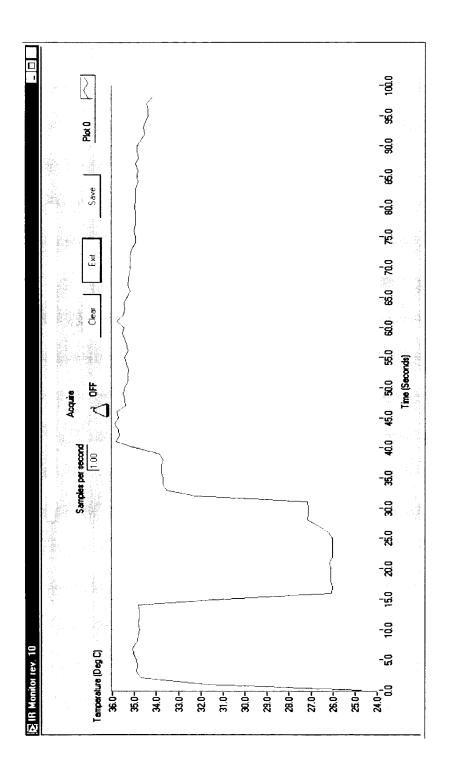
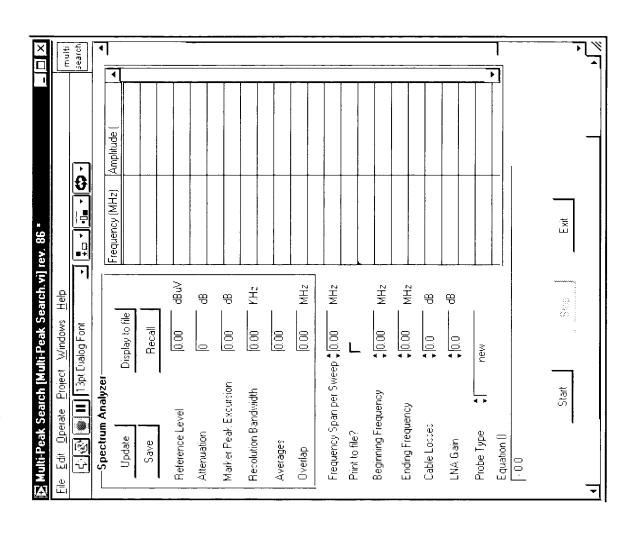


FIG. 56



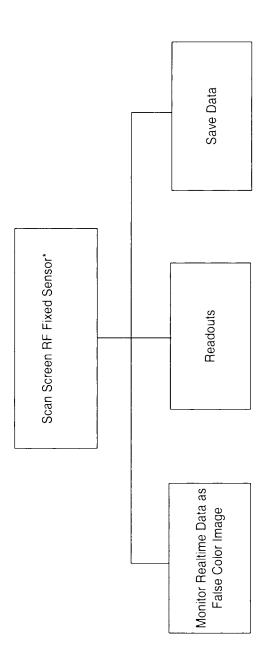


FIG. 58

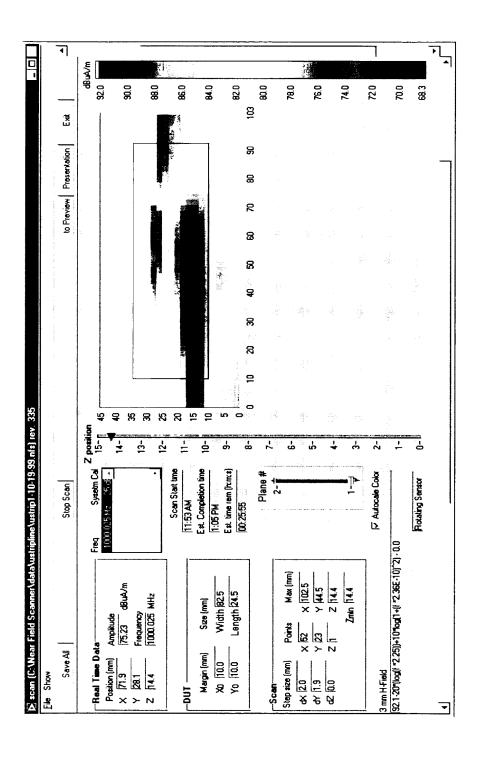
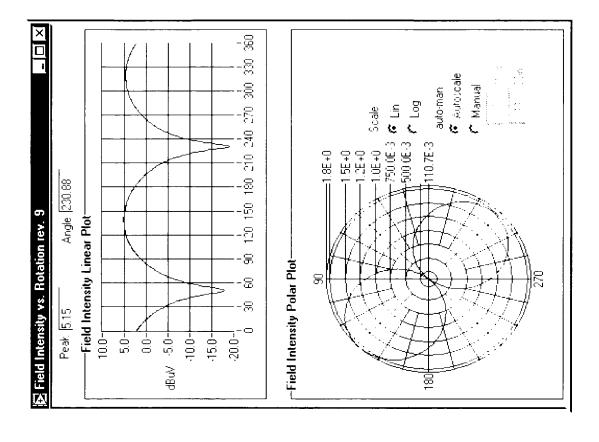


FIG. 59



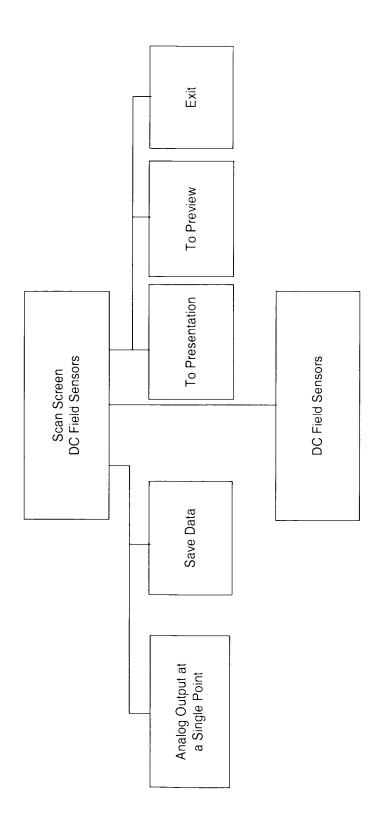
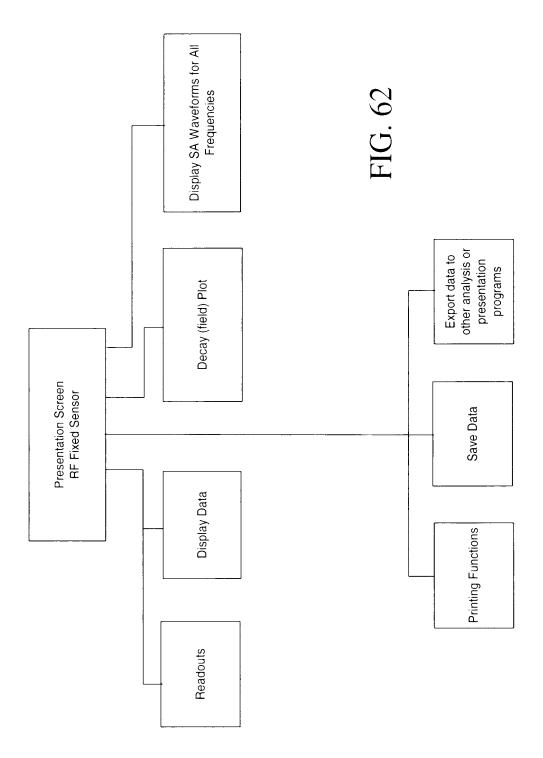


FIG. 61



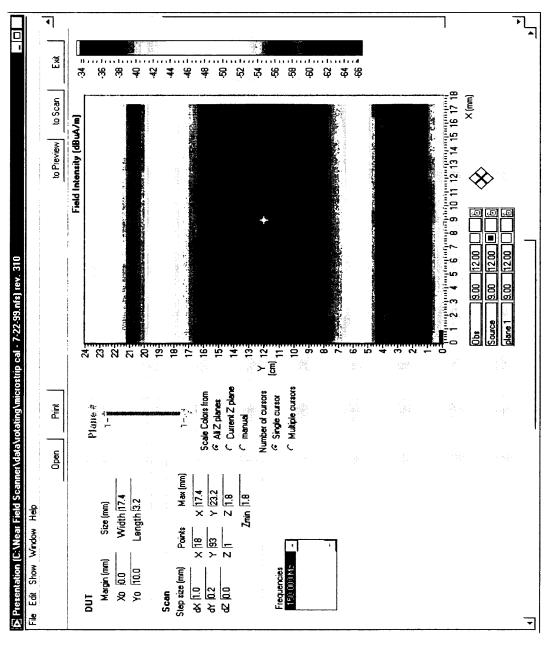


FIG. 63

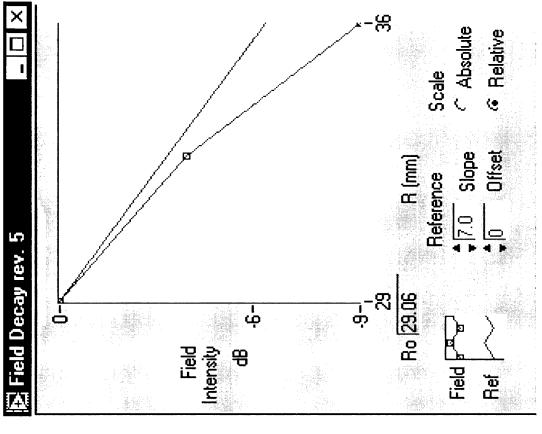
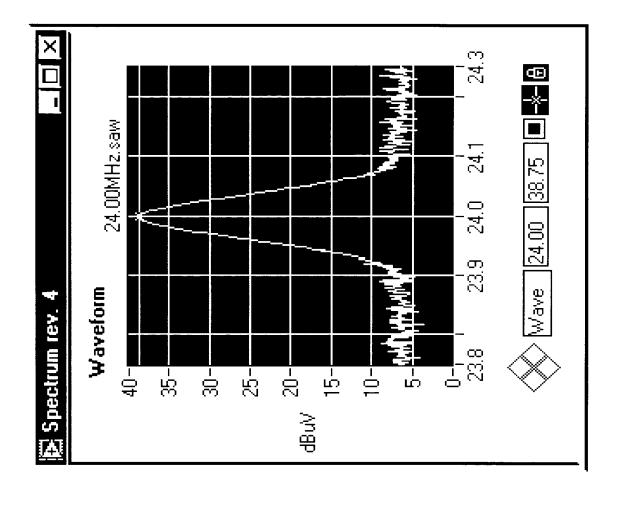


FIG. 65



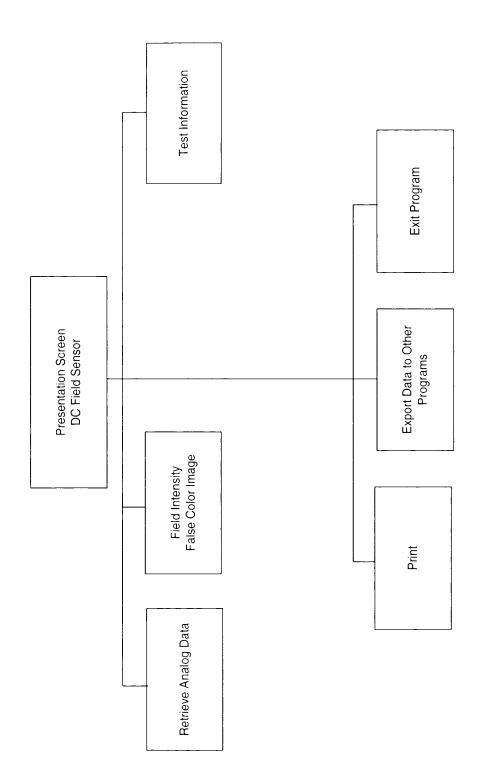


FIG. 67

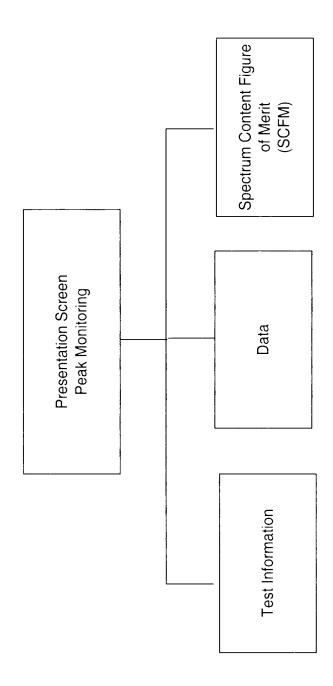


FIG. 68

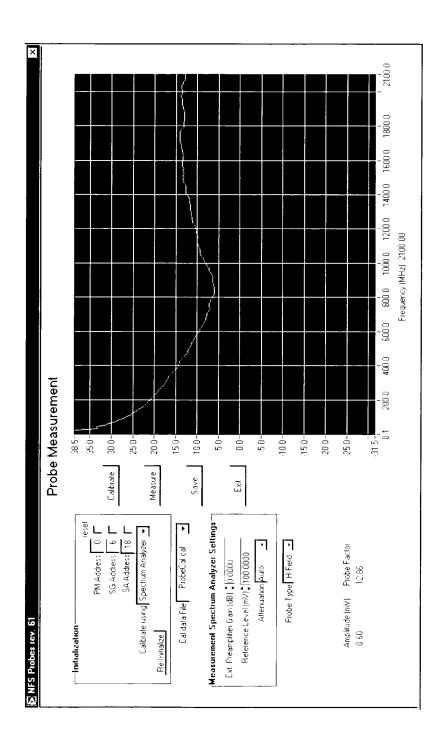


FIG. 69

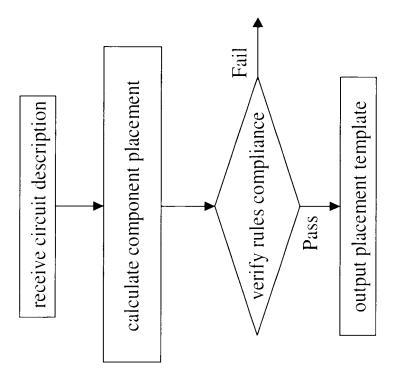


FIG. 70 (RELATED ART)

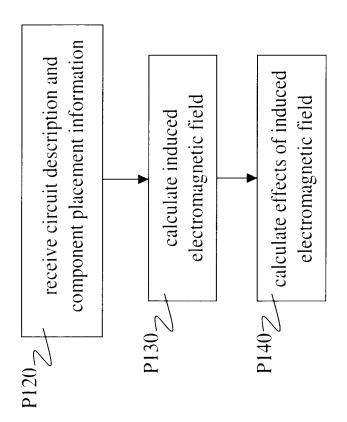


FIG. 71

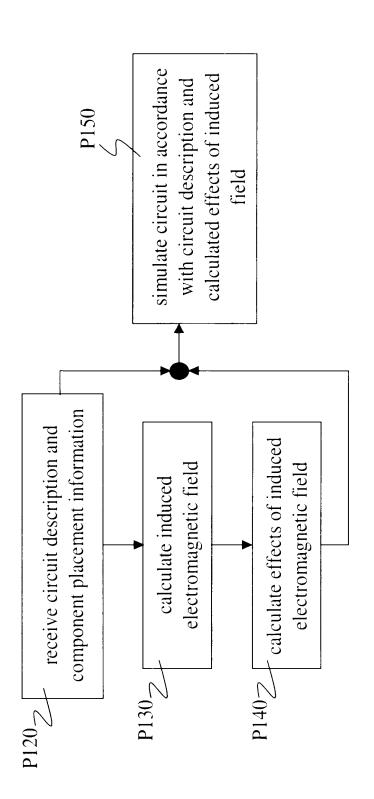


FIG. 72

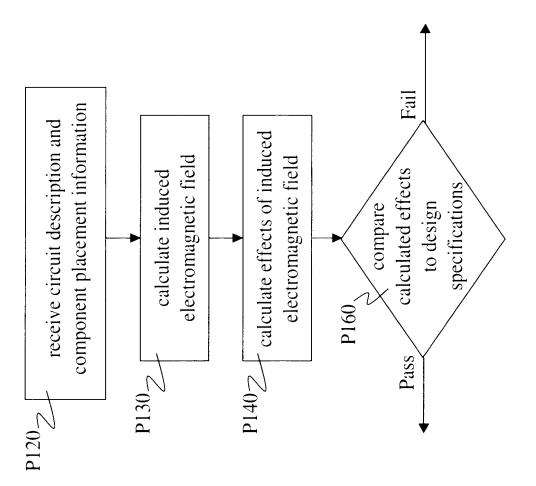


FIG. 73

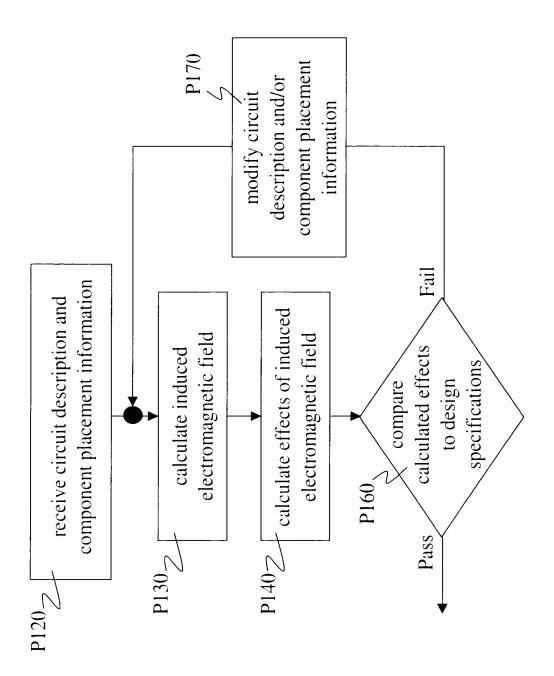


FIG. 74

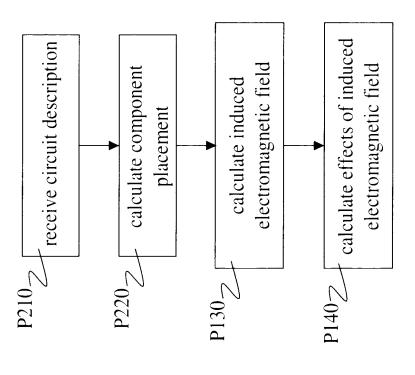


FIG. 75

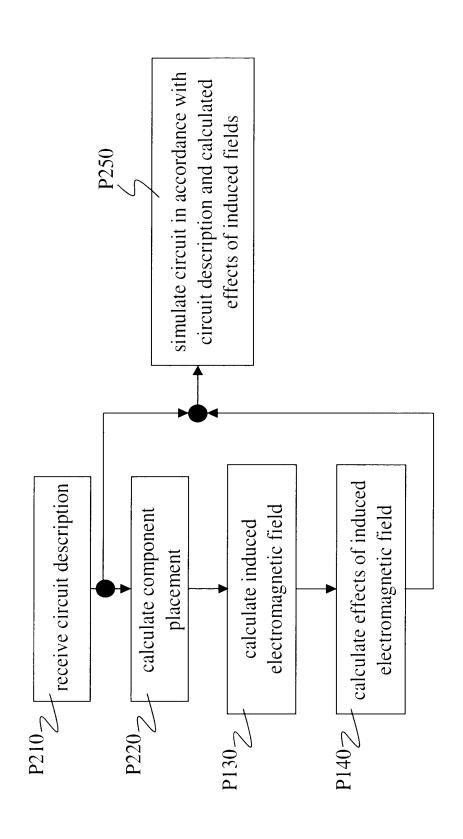


FIG. 76

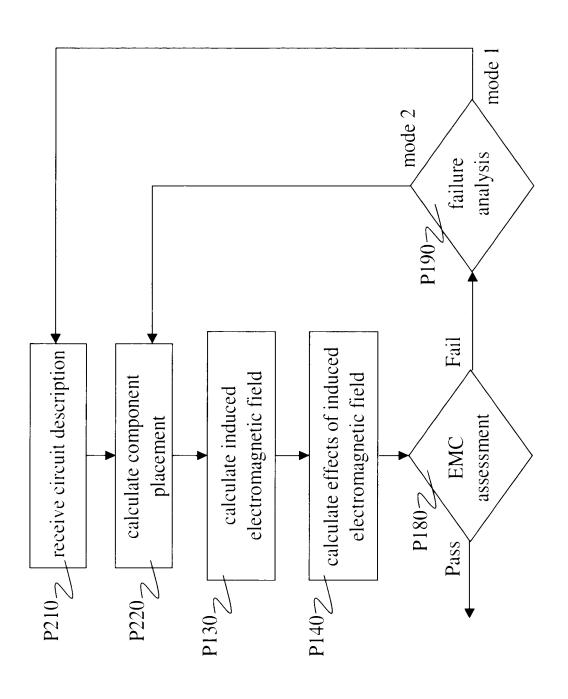


FIG. 77

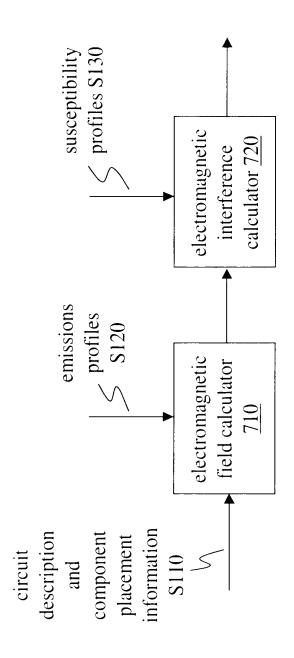


FIG. 78

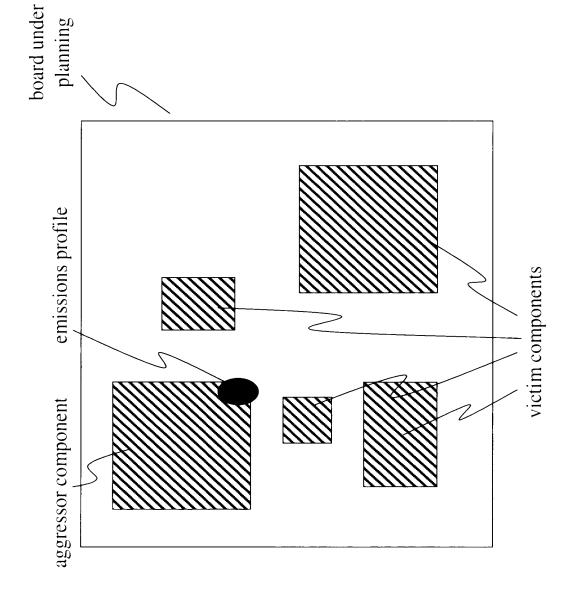


FIG. 79

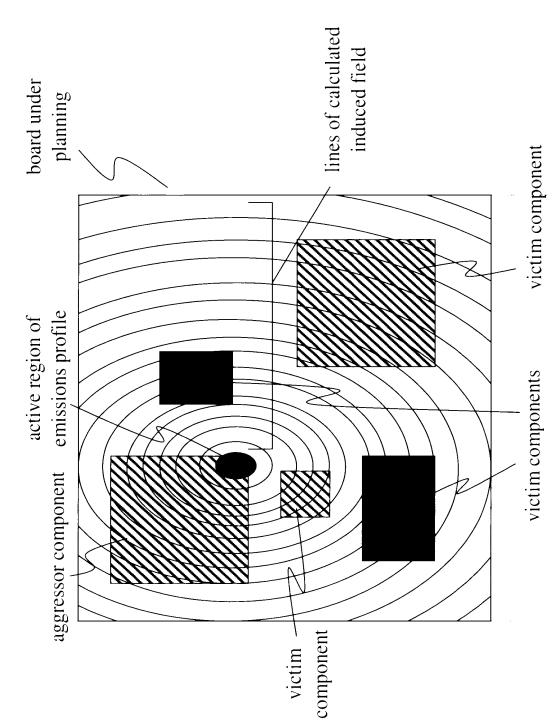


FIG. 80

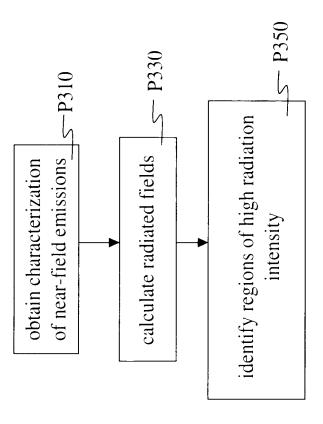


FIG. 81

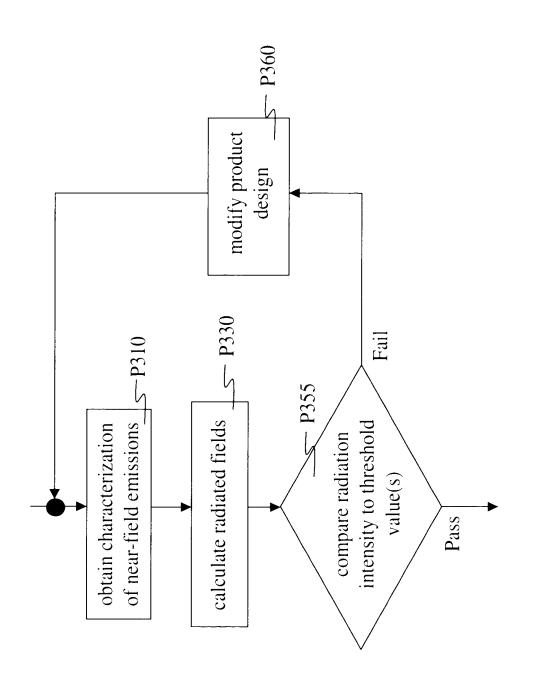


FIG. 82

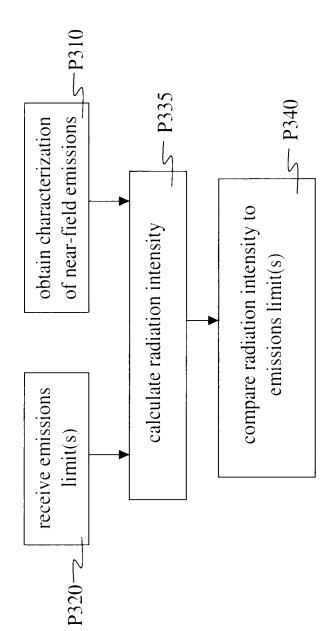


FIG. 83

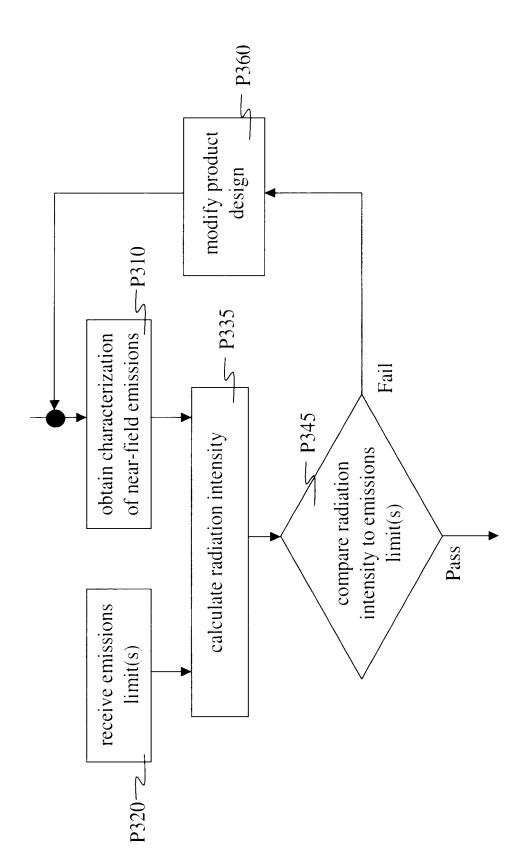


FIG. 84

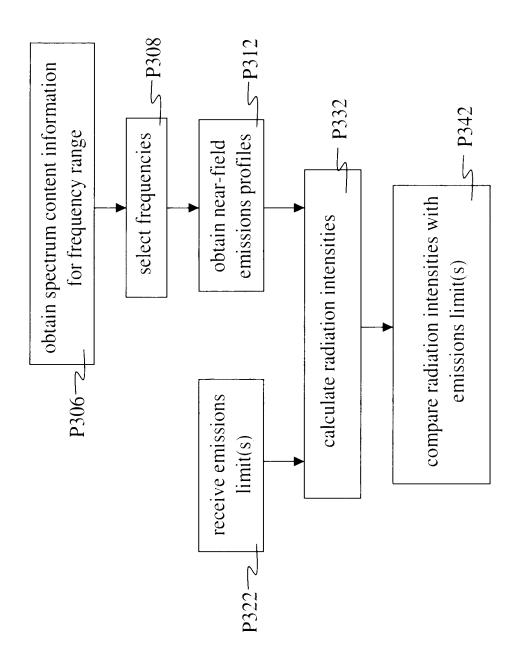


FIG. 85

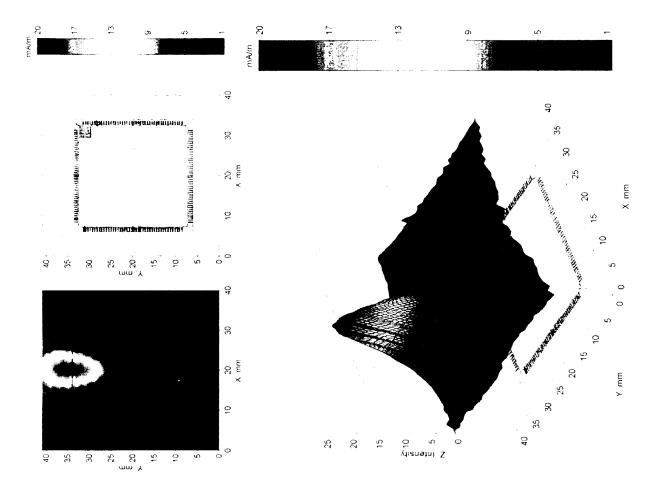


FIG. 86

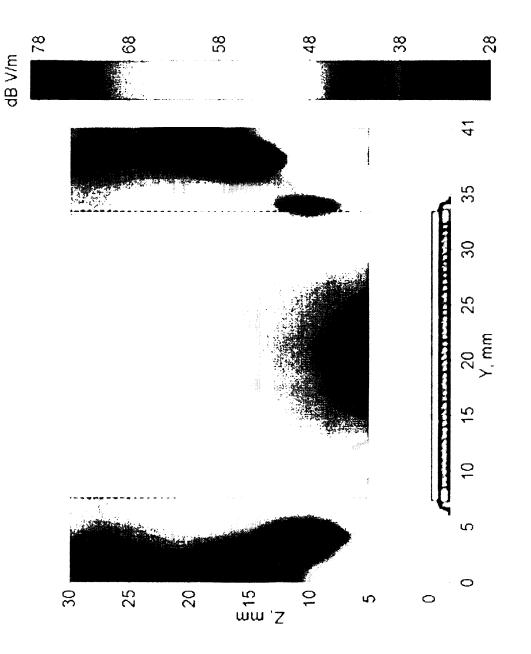


FIG. 87

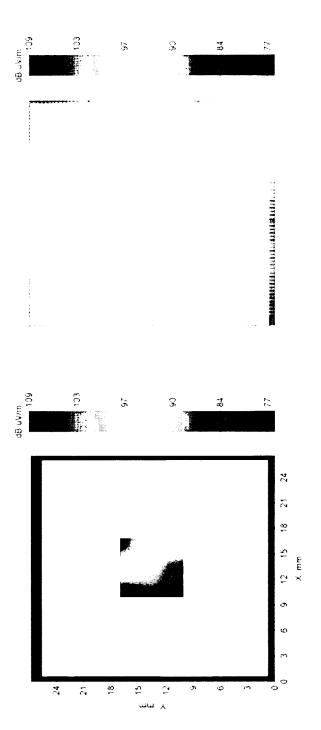


FIG. 88

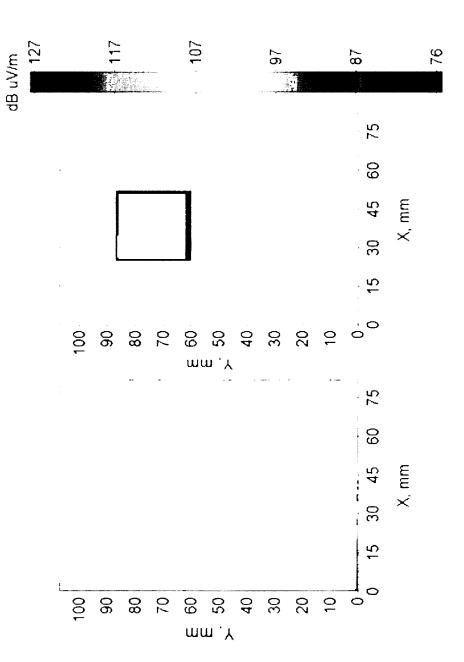
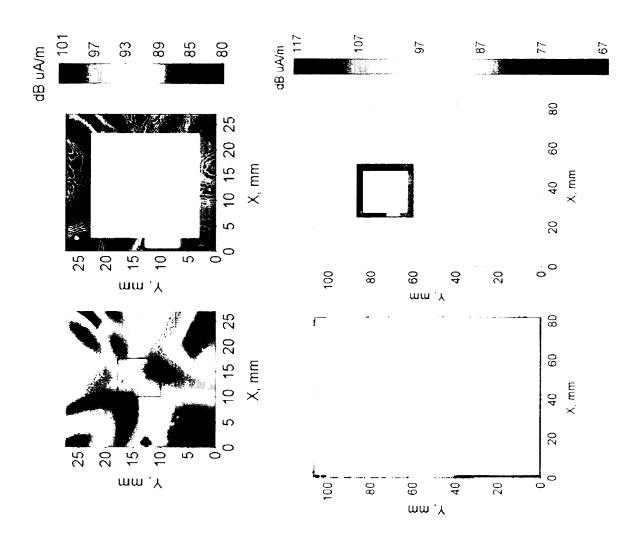


FIG. 89



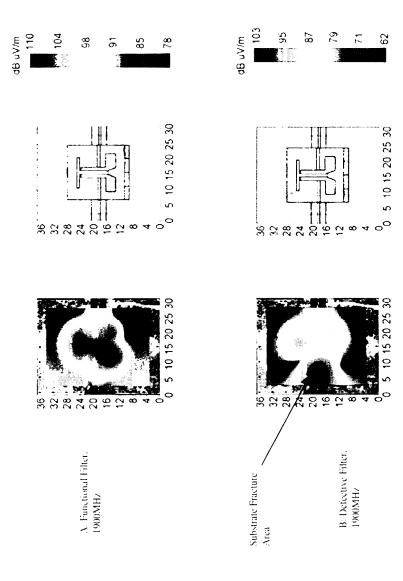


FIG. 91

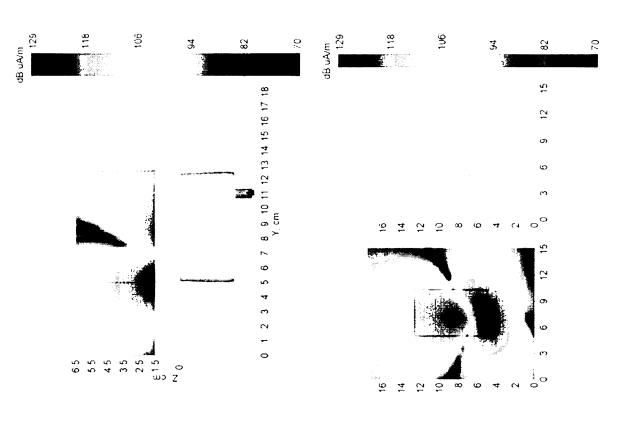


FIG. 92

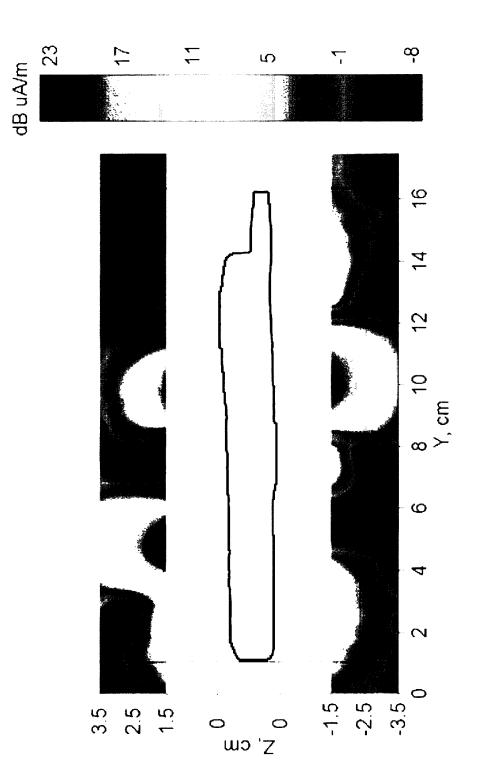
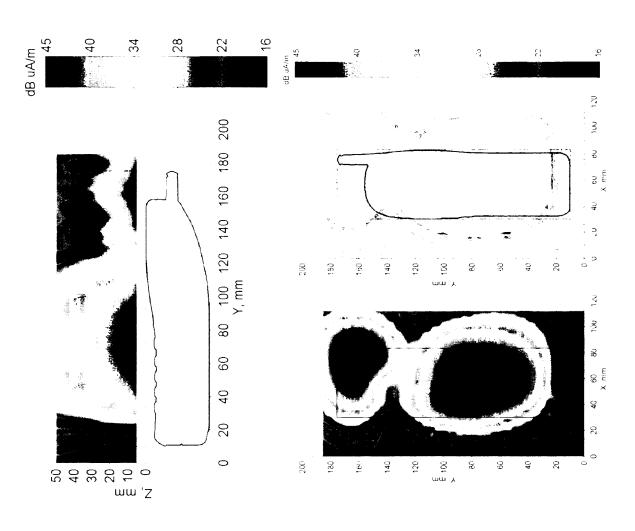


FIG. 93

FIG. 94



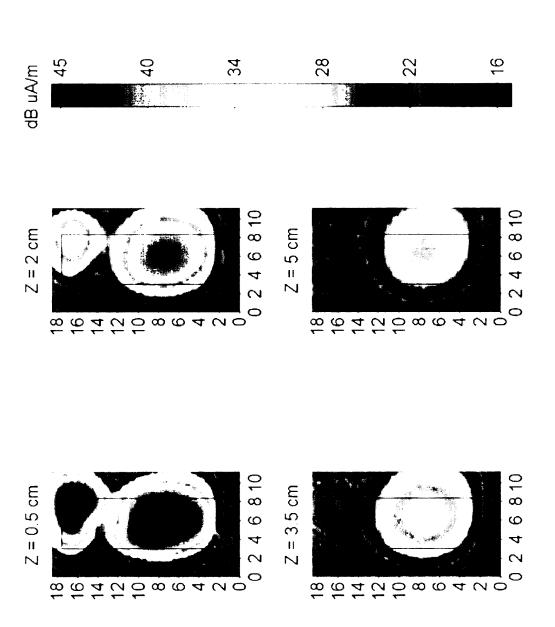


FIG. 95

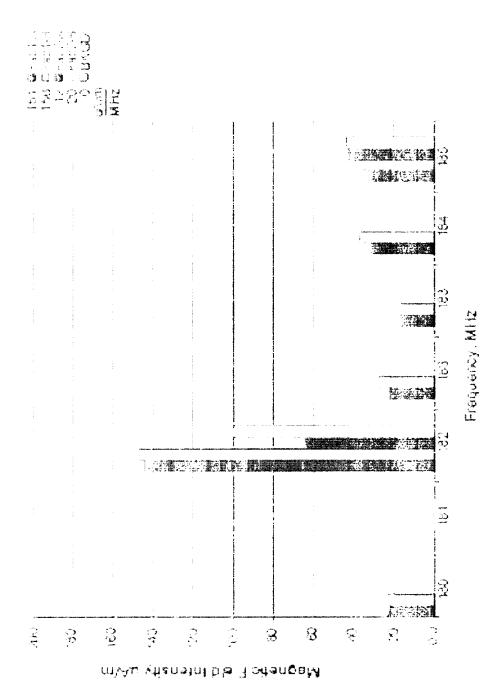


FIG. 96

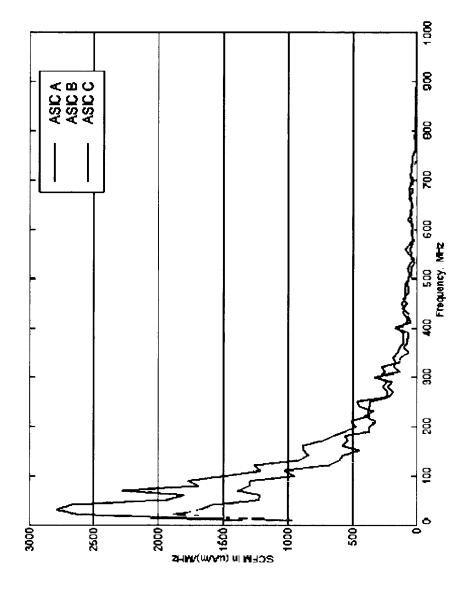
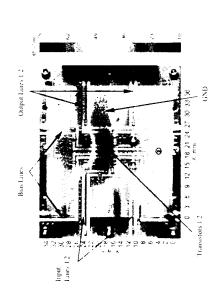
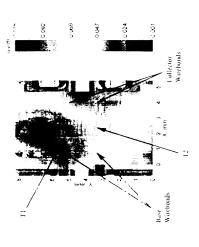


FIG. 97





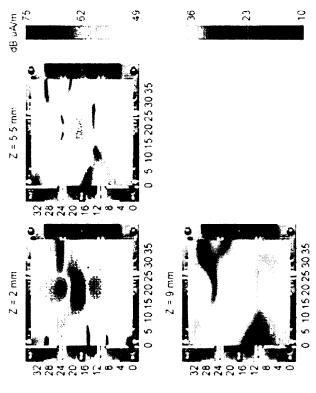


FIG. 99



0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 Y. mm

